### 505771205 11/13/2019

EPAS ID: PAT5818021

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ANDREW HEDGES	08/08/2019
ARNE HAAHR	11/01/2019

#### **RECEIVING PARTY DATA**

Name:	VESTAS WIND SYSTEMS A/S
Street Address:	HEDEAGER 42
City:	AARHUS N
State/Country:	DENMARK
Postal Code:	DK-8200

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16477281

#### **CORRESPONDENCE DATA**

**Fax Number:** (513)241-6234

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

**Phone:** 513-241-2324

Email: mhines@whe-law.com

Correspondent Name: WOOD HERRON & EVANS LLP (VESTAS WIND S

Address Line 1: 441 VINE STREET

Address Line 2: SUITE 2700

Address Line 4: CINCINNATI, OHIO 45202

ATTORNEY DOCKET NUMBER:	VWS-1011US
NAME OF SUBMITTER:	STEVEN W. BENINTENDI
SIGNATURE:	/Steven W. Benintendi/
DATE SIGNED:	11/12/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

#### **Total Attachments: 6**

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PATENT 505771205 REEL: 050996 FRAME: 0047

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PATENT REEL: 050996 FRAME: 0048

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

Title of Invention: METHOD AND APPARATUS FOR ASSEMBLING A WIND TURBINE BLADE HAVING AN INTERNAL WEB

As the below named inventor, I hereby declare that:
This Declaration is directed to:
The attached application
OR  X United States Application Number or PCT International Application  Number 16/477,281 filed on July 11, 2019
The above-identified application was made or authorized to be made by me.
I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.
I have reviewed and understand the contents of the above-identified application, including the claims.
I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.
Whereas, the undersigned inventor(s) has/have made certain inventions, improvements and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application;
Whereas, Vestas Wind Systems A/S, a Corporation of Denmark, having a place of business at Hedeager 42, DK-8200 Aarhus N., DENMARK (herein referred to as the "ASSIGNEE"), desires to acquire, and each undersigned inventor desires to grant to the

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor ("ASSIGNOR") hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to the ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent,

ASSIGNEE, the entire worldwide right, title, and interest in and to the Invention and in and to

any and all patent applications and patents directed thereto;

Page 1 of 3

and foreign patent authorities to issue any foreign patent, granted for the Invention, to the ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by the ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in the ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by the ASSIGNEE, its successors, legal representatives, or assigns.

Each undersigned inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to the ASSIGNEE and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned inventor also hereby grants the ASSIGNEE, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment.

I hereby acknowledge that any willful false statement made in this Declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Legal name of Inventor:	Andrew Hedges	, 1
Inventor's Signature:		Date: <u>  \$   8                               </u>
Residence		/ /
City/State/Country:	Surbiton, Greater London, United Kingdom	
	43 Princes Avenue	
	SURBITON, GREATER LONDON	
	KT6 7JL	
Mailing Address:	UNITED KINGDOM	
Citizenship:	United Kingdom	

## Attorney Docket No. VWS 1011US

Legal name of Inventor:	Arne Haahr	
Inventor's Signature:		Date:
Residence		
City/State/Country:	Ringkøbing, Denmark	
•	Fjordvang 16	
	DK-6950 Ringkøbing	
Mailing Address:	DENMARK	
Citizenship:	Denmark	

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Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor ("ASSIGNOR") hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to the ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent,

and foreign patent authorities to issue any foreign patent, granted for the Invention, to the ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by the ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in the ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by the ASSIGNEE, its successors, legal representatives, or assigns.

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Legal name of Inventor:	Andrew Hedges	
Inventor's Signature:		Date:
Residence		
City/State/Country:	Surbiton, Greater London, United Kingdom	
	43 Princes Avenue	
	SURBITON, GREATER LONDON	
	KT6 7JL	
Mailing Address:	UNITED KINGDOM	
Citizenship:	United Kingdom	

## Attorney Docket No. VWS 1011US

Legal name of Inventor:	Arne Haahr	
Inventor's Signature:	Mach	Date: 1. Nov 2019
Residence		
City/State/Country:	Ringkøbing, Denmark	
•	Fjordvang 16	
	DK-6950 Ringkøbing	
Mailing Address:	DENMARK	
Citizenship:	Denmark	